



# The only CPU card to give you 4 MHz speed

## 2 - 5X MORE THROUGHPUT

Here is by far the most powerful CPU card now available. It's Cromemco's new ZPU™ card. It uses the slick new Z-80 chip — in fact, it uses the even faster Z80/4 high speed version of the Z-80 — and it's the *only* card that does. The Z80/4 is *certified* by its manufacturer for 4 MHz operation.

The Z80/4 has all the advantages of the 8080 and 6800 — and enormously more.

And Cromemco's new ZPU does enormously more.

## 4 MHz CLOCK RATE

First, the ZPU lets you choose either a 2 or 4 MHz crystal-controlled clock rate. Right away that means you can have twice the throughput. Cuts program running time in half. Then the instruction set of the Z80/4 reduces software even more.

The 2 or 4 MHz clock rate is switch-selectable as shown in the above photo.

## POWER-ON MEMORY JUMPS

Cromemco's ZPU also has some neat design innovations of its own.

For example, you'll like the simplified operation you get because upon power turn-on the ZPU will jump to any desired 4K boundary in memory. No switch flipping to go through to begin your program.

## SELECTABLE WAIT STATES

Cromemco engineers have also arranged that your present systems will always be useful with the new ZPU. To do this, the ZPU has been designed to have jumper-wire-selectable wait states on the card.

These simplify interfacing with your present memory or I/O even at 4 MHz operation.

## 80 ADDITIONAL INSTRUCTIONS

You've probably heard that the Z-80 with its 80 new additional instructions is by far the most powerful chip around. It's true.

That means with the ZPU you will be able to devise much more powerful (as well as faster) software than before.

## ALTAIR/IMSAI COMPATIBLE WITHOUT MODIFICATION

Yes, the new ZPU is plug-com-

patible with the Altair 8800 and IMSAI 8080. Just remove the existing CPU, plug in the ZPU card, and you're up and running.

Further, the Cromemco ZPU is the only card guaranteed to work with all present and future Cromemco peripherals. (Cromemco manufactures the popular BYTESAVER™ memory, the TV DAZZLER™, the D+7A™ analog interface board, a joystick console, and others.

## INCLUDES FREE SOFTWARE

The ZPU comes with our powerful Z-80 monitor, complete documentation, source code, and paper tape object code. The monitor is also available in PROM (\$75) for use in our BYTESAVER memory board.

## STORE/MAIL

The new ZPU is available as a kit or assembled. Look into it now because you can see demand will be strong. Present delivery is 30 days.

ZPU kit (Model ZPU-K).....\$295

ZPU assembled  
(Model ZPU-W).....\$395

California users add 6% sales tax.



# Cromemco

Specialists in computer peripherals

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